

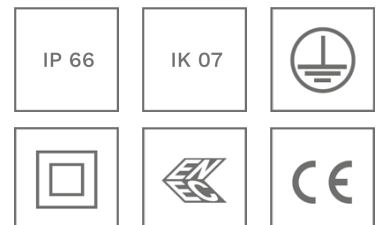
Calla LED



Indirect LED lighting solution for a convivial ambiance

Calla LED incorporates an indirect photometric engine designed to light residential neighbourhoods, parks, urban centres and more. This elegant and organic luminaire ensures a distinctive presence in the public space, both by day and by night.

The indirect lighting guarantees a glare-free ambiance lighting. The Calla LED is particularly designed for stylish, decorative lighting when performance, aesthetics and light pollution factors are important criteria.



Concept

The Calla LED luminaire is composed of a high-pressure die-cast aluminium housing, an aluminium canopy and a PMMA protector.

The reflector is composed of an indirect mirror system with 208 free formed surfaces to provide comfort and performance. The complete luminaire has an IP 66 tightness level.

The Calla LED luminaire is based on the FutureProof concept. The canopy can be easily opened, without tools, so that the LED engine can be changed in a few simple steps. Calla LED is available with symmetrical and asymmetrical light distributions to provide a comfortable yet performing light in various urban applications.

The Calla LED luminaire offers slip-over mounting onto a Ø60 or 76mm spigot. The fixation works both on a cylindrical stepped pole or on a tapered pole to create aesthetic ensembles.



Calla LED can be easily opened, without any tools, for maintenance.



Calla LED proposes a comfortable indirect lighting.



For a quick and easy installation, Calla LED is delivered pre-cabled.



Calla LED offers slip-over mounting onto a Ø60mm or Ø76mm spigot.

Types of application

- URBAN & RESIDENTIAL STREETS
- BRIDGES
- BIKE & PEDESTRIAN PATHS
- RAILWAY STATIONS & METROS
- CAR PARKS
- SQUARES & PEDESTRIAN AREAS

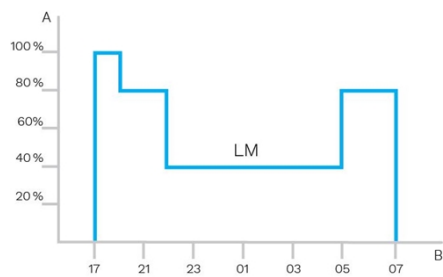
Key advantages

- Indirect lighting for a comfortable landscape
- IP 66 tightness level
- ThermiX® for long lasting performance
- Supplied pre-wired to facilitate its installation
- FutureProof: easy replacement of the photometric engine and electronic assembly
- Tool free access for maintenance
- Designed to incorporate the Owllet range of control solutions



Custom dimming profile

Intelligent luminaire drivers can be programmed with complex dimming profiles. Up to five combinations of time intervals and light levels are possible. This feature does not require any extra wiring. The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



A. Performance | B. Time

GENERAL INFORMATION

Recommended installation height	3m to 5m 10' to 16'
FutureProof	Easy replacement of the photometric engine and electronic assembly
Driver included	Yes
CE Mark	Yes
ENEC certified	Yes
ROHS compliant	No
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminium
Optic	Aluminium reflector
Protector	PMMA
Housing finish	Polyester powder coating
Standard colour(s)	RAL 9006T
Tightness level	IP 66
Impact resistance	IK 07
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)
Access for maintenance	Toolless access to gear compartment

· Any other RAL or AKZO colour upon request

OPERATING CONDITIONS

Operating temperature range (Ta)	-30 °C up to +35 °C / -22 °F up to 95°F
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· Depending on the luminaire configuration. For more details, please contact us.

ELECTRICAL INFORMATION

Electrical class	Class I EU, Class II EU
Nominal voltage	220-240V – 50-60Hz
Power factor (at full load)	0.9
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 61547 / EN 61000-4-2, -3, -4, -5, -6, -8, -11
Control protocol(s)	DALI
Control options	Bi-power, Custom dimming profile, Remote management
Associated control system(s)	Owlet Nightshift

OPTICAL INFORMATION

LED colour temperature	3000K (Warm White) 4000K (Neutral White)
Colour rendering index (CRI)	>80 (Warm White) >70 (Neutral White)
Upward Light Output Ratio (ULOR)	<4%

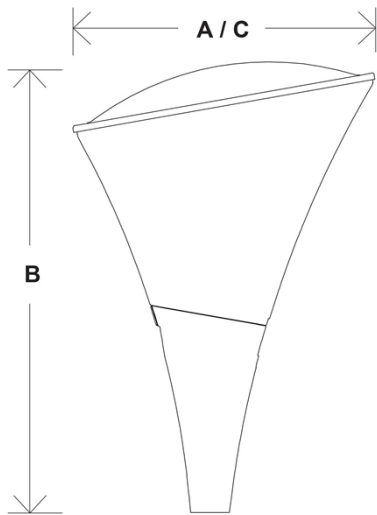
· ULOR may be different according to the configuration. Please consult us.

LIFETIME OF THE LEDS @ TQ 25°C

All configurations	100,000h - L90
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DIMENSIONS AND MOUNTING

AxBxC (mm inch)	595x885x595 23.4x34.8x23.4
Weight (kg lbs)	11 24.2
Aerodynamic resistance (CxS)	0.34
Mounting possibilities	Post-top slip-over – Ø60mm Post-top slip-over – Ø76mm

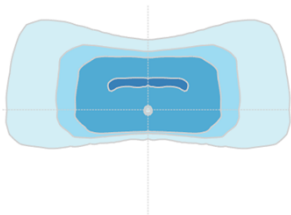
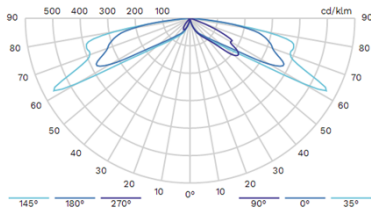




Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Neutral White 740		Luminaire output flux (lm) Warm White 830		Power consumption (W) *	Luminaire efficacy (lm/W)
			Min	Max	Min	Max		
CALLA LED	15	350	1400	1700	1300	1500	20	85
	15	500	1900	2200	1700	2000	26	85
	28	350	2700	3100	2400	2800	32	97
	28	500	3600	4200	3200	3700	46	91

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

2126 AS Reflector silver-coated



2238 SY

